

2018 IEEE EMBS International Summer School

# Mind Reading Technology

August 13-17 | 2018 Beijing | China

## Introduction

The 4th international summer school of neural engineering (ISSNE '18) will be jointly organized by IEEE EMBS and Tsinghua University, from Aug 13-17, 2018 in Beijing. The ISSNE has been a school for next generation of leading researchers in neural engineering. EMBS will invite leading scientists and experts in neural engineering to give lectures and seminar talks in the summer school. ISSNE will also organize on-site visits to leading industries in Beijing Zhongguancun Science Park.

ISSNE '18 will focus on the topics of “**mind reading technology**”. With recent advances in neuroimaging, neural signal processing and machine learning, unprecedented details of brain codes and states have been revealed. Mind reading technology, stemmed from brain-computer interface, has emerged as scientific facts out of fictions. We welcome applicants of young talented students around the world to join us, pushing the boundary and limits of mind reading technologies and methods, for better human-computer interaction and harmonious human communication.

### Advisory Committee

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Shanbao Tong, Shanghai Jiaotong University, China (Co-Chair)  
Dan Zhang, Tsinghua University, China (Program Chair)  
Pei Sun, Tsinghua University, China  
Xiaorong Gao, Tsinghua University, China  
Yijun Wang, Chinese Academy of Science, China

### Teaching Faculty (in alphabetic order)

Shangkai Gao, Tsinghua University, China  
Justin Gardner, Stanford University, USA  
Bo Hong, Tsinghua University, China  
Han-Jeong Hwang, Kumoh National Institute of Technology, Korea  
Yukiyasu Kaimitani, Kyoto University, Japan  
Josef Parvizi, Stanford University Medical Center, USA  
Gerwin Schalk, New York State Department of Health, USA  
Pei Sun, Tsinghua University, China  
Shanbao Tong, Shanghai Jiaotong University, China  
Anna Wang, Zhejiang University, China  
Yijun Wang, Chinese Academy of Sciences, China  
Dan Zhang, Tsinghua University, China

### Sponsors

IEEE Engineering in Medicine and Biology Society  
Tsinghua University

### Important Dates

Application Opening: June 15, 2018 (UTC +8)  
Application Deadline: July 15, 2018 (UTC +8)

### Date and Venue

Time: Aug 13-17, 2018  
Venue: Medical Science Building, Tsinghua University

### Accommodation

ISSNE will offer on-campus dorm for a limited number of non-local students.

### Students

About 50 students will be admitted.

### Lunch and Others

The summer school will cover the cost for lecture materials, tea break and lunch.

### Travel Award

ISSNE will have travel awards for selected students, no more than 800 US\$/student.

### Registration

Accepted students should complete registration before **Aug 5**. Registration fee is 2500 RMB for domestic students, or 400 US\$ for international students. EMBS members can have 20% discount.

### Contact

For Application and Questions:  
[issne2018@outlook.com](mailto:issne2018@outlook.com)

### Website

<http://mindreading.technology>



清华大学  
Tsinghua University